

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: November 11, 2004

Inspector: Chuck Gidman

Location: Norwalk Substation Expansion

**Storm/
Rain Event** The area received between 0.75-0.95" of rain on the day of and following the inspection on 11/04, but has not received any since then.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> -New Canaan Avenue is still free of tracked sediment from the Norwalk site. 11/11/04 - Crushed stone has been placed throughout the yard and most areas are completely accessible. These include areas behind wall #2, between wall #3 and the control building and #3 and the perimeter fence 11/11/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 11/11/04 - None at this time. 11/11/04
Foundation construction	<ul style="list-style-type: none"> - Minor excavation for a service conduit continued inside the charged yard. Some areas had been encased in concrete. 11/04-11/11/04 	<ul style="list-style-type: none"> - None at this time. Areas remain well contained 11/11/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence can be removed from the river side of the overflow channel where vegetative cover is sufficient. However, it should remain at the ends of the overflow channel where vegetative has not fully established. 11/11/04 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence repair and maintenance where needed. Fence can be removed from areas with sufficient cover.

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	- One spot of fence near wall #5 could use reinforcement or repair as it is under strain from sedimentation 9/23-11/11/04	- Fence should be reinforced in this location before winter if practicable. It does not pose much of a problem when the area is hydroseeded. 11/11/04
	-The areas around the recent landscaping and the overflow channel will be hydroseeded in the near future in an attempt to stabilize the area. This includes all the soil along the top and sides of the channel. 11/04-11/11/04.	- Best efforts should be made to get as much vegetative cover as possible at this time of year. The hydroseeding should be a good solution as a tackifier and mulch is included in the mix. 11/04-11/11/04
	- Landscaping continues along the perimeter fence in the vicinity of New Canaan Ave and the Route 7 ramp. Topsoil and crushed stone are being placed at the base of the plantings 11/11/04	- All areas where planting is occurring are currently contained, however continue to monitor for sedimentation due to proximity to roadways. 11/11/04
	- The topsoil stockpile remains well contained along the retaining wall and portions continue to be used on site. 9/23-11/11/04	- The area around the pile has been filled with crushed stone for now, but the pile remains accessible for use. 11/11/04
	-Some slight scour has occurred at the base of the silt fence where the topsoil had washed away and exposed the cobbles near the southern end of retaining wall #5. 10/07-11/11/04	- Placing additional cobbles here at the base of slope may help reduce undercuts to the slope. This problem is not at all serious but could be investigated to keep any future slope undercuts from occurring. 10/07-11/11/04
Inland Wetland and Watercourse encroachment and mitigation	- The areas surrounding the overflow channel and any bare soil along the slopes will be hydroseeded in the near future. This should serve as a sufficient stabilizer for winter. 11/04-11/11/04	-Silt fence could be removed from areas with sufficient cover. Continue to monitor areas with little vegetative cover. 11/04-11/11/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
	-Some plantings along the	- The plantings will be

Areas of Inspection	Observation	Recommended Action
Vegetative clearing limits (including trees to save or danger trees noted)	channel were flagged for damage to see how they survive the winter. New evergreen/conifer plantings are being placed at the yard's perimeter. 11/11/04	evaluated for any permanent damage in the spring and hydroseed will be placed as ground cover here. 11/11/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	- There were no spills reported during the week or observed during the inspection.	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations	<p>- As previously noted, new road work, has been identified on the bridge on Broad Street to the north. 9/10-11/11/04</p> <p>- The island or bank on which the bridge footing was located is mostly bare of vegetation.</p>	- The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-11/11/04

Next likely scheduled inspection:

Thursday November 18, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those

individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Chuck Gidman

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Date: November 11, 2004

Inspector: Chuck Gidman

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** The area received between 0.75-0.95" of rain on the day of and following the inspection on 11/04, but has not received any since then.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 11/11/04	- None at this time. 11/11/04
Foundation construction	<p>-The major work of placing equipment on the recently constructed slab is ongoing. This involves almost no soil disturbance. 11/04-11/11/04</p> <p>- Some minor excavation in the yard is underway for cable connections to the equipment on the slab. 11/11/04</p> <p>- Remaining excavate is being combined into stockpiles for backfill and covered. Any unnecessary soil will be hauled offsite 11/11/04</p>	- The areas are still well contained at this time. Little future ground disturbance/civil work is proposed. 10/21-11/11/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site did not show any evidence of any runoff or soil migration from the site. Portions of the site were muddy again. 11/11/04	- None at this time 11/11/04
Erosion and Sediment Controls continued	- There is no silt fence in place at this time, however any stockpiles are covered in plastic following the end of each work day. 9/16-11/11/04	-All areas are well-contained and there is no sedimentation near any off site areas. 11/11/04
	- The stone perimeter berm is well in place and contains the yard. It effectively prevents any turbid water from leaving the site. 11/11/04	- The berm is working well at this time. Continue to monitor for any trouble spots. 11/11/04
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-11/11/04	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-11/11/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering on site is not occurring or necessary at this time. It will resume if rains cause it to become necessary 10/29-11/11/04	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
	- There were no spills	- The contractors should

Areas of Inspection	Observation	Recommended Action
Spills	reported during the week or noted on site during the inspection. There are few pieces of machinery on site at this time. 11/11/04	<p>remain vigilant about securing and handling fuel containers.</p> <p>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Thursday November 18 , 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Chuck Gidman



Crushed stone is being spread throughout the yard including behind wall #2 (shown here) between the control building and wall #3, and the perimeter fence and wall #3. 11/11/04



View of topsoil being placed at the perimeter fence at New Canaan Avenue. Plantings were also recently placed here. No sediment has been tracked onto the roadway at this time. 11/11/04



Plantings, topsoil and crushed stone are also being placed along the perimeter fence and the Route 7 ramp. No sediment has been tracked onto the roadway at this time. 11/11/04



Another view of the perimeter fence near the Route 7 ramp. The ditch has recently been seeded and the landscaping is ongoing. 11/11/04



Plumtree Substation: View of the continuing placement of equipment on the concrete slab. 11/11/04



Minor excavations are ongoing for installing cable connections to the equipment on the concrete slab. 11/11/04